

## SECTION A

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1- Give one reason why health surveys are important to the government.

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2- Write down any one component of soil.

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3- Name one example of a long bone in the human skeleton.

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4- State one reason why it is bad to wear wet clothes.

5- Which group of plants has root nodules in their root system?

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6- Name any one insect that pollinates flowers at night.

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The diagram below is of a common vector. Use it to answer questions 11 to 13



7- Name part labeled P on the above vector.

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8- Give a reason why the filament of an electric bulb is coiled.

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9- Apart from having jointed legs, state one other characteristic of arthropods.

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10- Mention any one disease that affects the kidney at the age of 45-50.

11- Why is water important in the process of making composite manure?

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12- Which body system is affected by the germ spread by the above vector?

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13- State the immediate effect of fertilization in both plants and animals/.

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Below is a list of different organisms. Use it to answer question 20.

Lion maize mushroom antelope

14- Which of the above organisms is a producer?

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15- In which one way can the disease spread by the above vector be controlled in our environment?

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16- State any one reason why farmers practice cross breeding on their farms.

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17- What state of matter is water at 0<sup>0</sup>c?

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18- Give one structural difference between arteries and veins.

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19- Mention any one method of proper tree harvesting.

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20- Name the part of the human body where the ears are attached.

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21- Why is there more dew in the morning than in the evening?

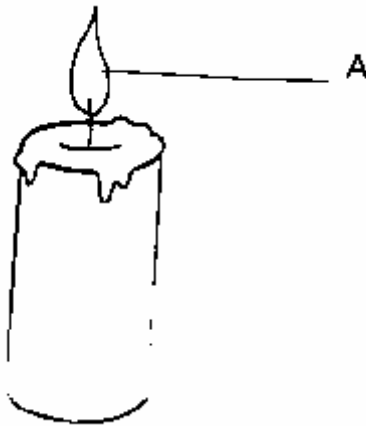
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22- Give one reason why people drain swamps.

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Study the diagram of a candle below and use it to answer question 23 and 24



23- Name one form of energy produced at A

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24- Why are ventilators placed on top of windows or doors in a house?

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25- In which way is the retina of the human eye similar to the film of a camera?

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26- Give one reason why medical workers need to preserve drugs before use by patients?

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27- State one law of reflection.

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28- How does the skin reduce excessive heat in the body?

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29- Mention any one item one can use to maintain one's body clean.

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30- Which part of air helps the candle above to burn?

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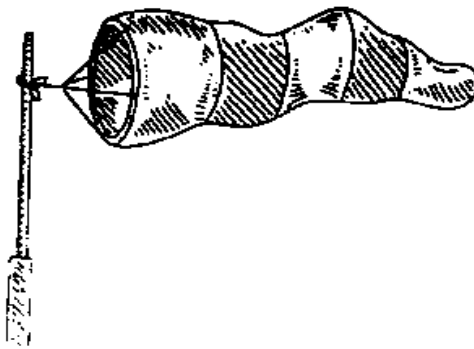
31- Name one disease that affects the udder and teats in cattle.

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32- Why is rainfall measured in millimeters?

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The diagram below is of an instrument found at airports and air fields. Use it to answer question 35



33- How is the above instrument useful to a pilot?

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34- Give one factor that affects the rate of transpiration in plants.

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35- To which class of levers do pulleys belong?

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36- State the best method primary school going girl can use to avoid early pregnancy.

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37- Give one way the use of a bar magnet can be similar to that of shadows.

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38- What energy change takes place in a dry cell when the circuit is complete?

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39- What is weathering?

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40- Give one anti social behavior in a community.

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### **SECTION B**

41- In the table below, list A shows the different methods of separating mixtures. List B shows sample mixtures that can be separated but in their wrong order.

List A	List B
(a) Filtration	Pure alcohol from fermented alcohol
(b) Decantation	Water and tea leaves
(c) Distillation	Obtaining salt grains from salt solution.
(d) Evaporation	Obtaining clear water from muddy water

Select from the table the correct sample of mixture for the appropriate method below and write in the space provided

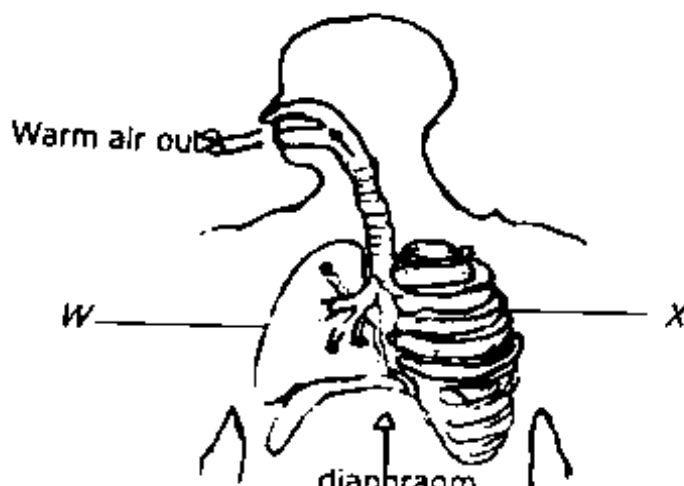
(a) Filtration \_\_\_\_\_

(b) Decantation \_\_\_\_\_

(c) Distillation \_\_\_\_\_

(d) Evaporation \_\_\_\_\_

42- The diagram below shows the respiratory system of a man. Use it to answer the questions that follow.



(a) Name the body organ marked W.

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(b) Give one reason why organ W contracts during exhalation.

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(c) State the importance of structure marked X to organ W.

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(d) Mention any one way tobacco smoking is dangerous to organ marked W

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43- What does the term agro-forestry mean?

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(b) Apart from agro-forestry, give any two other human activities that can help to conserve our environment.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c )Mention any one way of caring for trees in agro-forestry.

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44- What are renewable resources?

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(b) Give any one example of non-renewable resources in the environment.

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(c ) What type of energy is produced from uranium?

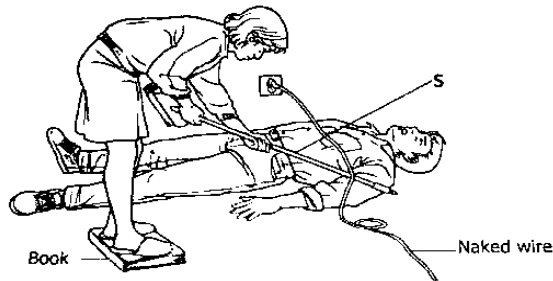
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(d) Why is soil regarded as a renewable resource?

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45- The diagram below shows a lady helping a victim of an electric shock. Use it to answer questions that follow.



(a) From which one material should part S be made of?

(b) Why is the lady standing on the book?

(c) What name is given to the victim's body reaction to electric current?

(d) What first aid would you give to the victim in the above diagram?

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46- Why is piggery an important project to farmers in Uganda today?

(b) Mention any two factors farmers consider when selecting piglets to rear.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) How can pigs be dangerous to cop production?

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47- Give any two causes of sickness in man.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) Suggest any two measures parents can take to control sickness in their children at home.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

48- The following are lists of organism X and Y that belong to different groups. Use them to answer the questions that follow.

X

Ferns

Mosses

Y

Toadstools

Puffballs

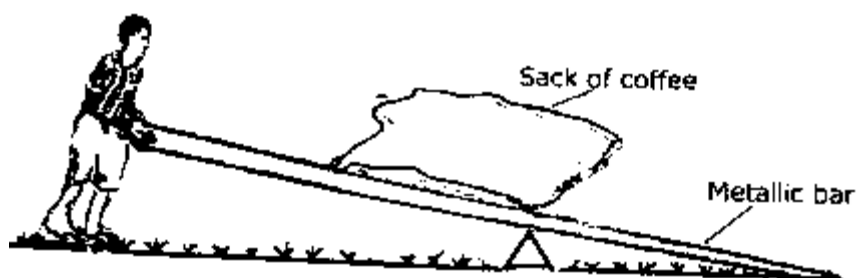
(a) To which group of plants do organisms in X belong?

(b) State one similarity between organisms in list X with those in list Y.

(c) How are organisms in list X different from those in list Y?

(d) Mention one other organism that can be grouped together with organisms in list Y.

49- The diagram shows a boy using a metallic bar to raise a sack of coffee. Use it answer the questions.



(a) Which class of simple machines is the man using?

(b) What can he do to lift the sack more easily?



(c) Name the force that slows movement in moving parts of a machine.

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(d) How is the force named in (c) useful in our daily life?

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50- Give the difference between frequency and volume of sound.

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(b) Give one natural source of sound.

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(c) How are echoes important in our daily life?

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(d) State one way wind affects the speed of sound.

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51- Give any two uses of water in our homes.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(b) State any one way water can be contaminated.

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(c) Give any one way water can be made safe for drinking.

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52- Mention two ways of making magnets.

(i) \_\_\_\_\_

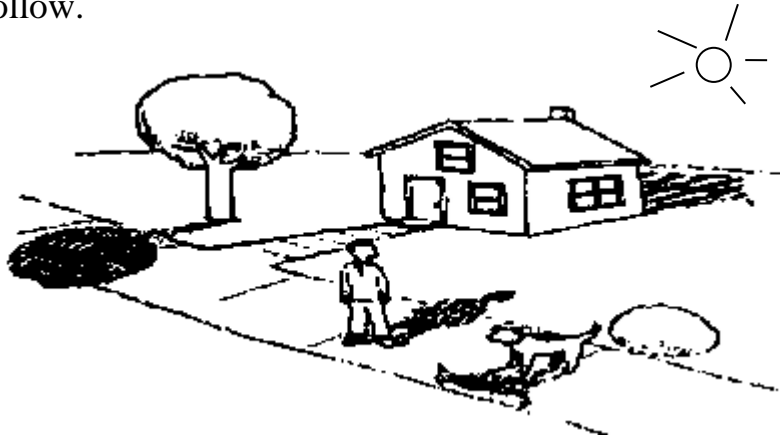
(ii) \_\_\_\_\_

(b) Write down any two ways of demagnetization.

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

53- The diagram below shows how shadows are formed. Use it to answer questions that follow.



(a) Which two objects in the picture have their shadows formed in a wrong position?

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(b) What name is give to the darkest part of a shadow?

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(c) Name the energy resource in the diagram that helps in the formation of shadows.

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(d) State any one use of shadows to man.

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54- What general name is given to the bones of the spine?

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(b) State the two regions of a human skeleton

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c ) Apart from movement, give any other function of a skeleton to a human being.

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55- Below is a list A containing animals and list B containing their defensive mechanisms but in wrong order. Match them correctly.

List A

List B

Millipedes

stinging

Caterpillars	coiling
Scorpions	constricting
Pythons	prickling

- (i) Millipedes \_\_\_\_\_
- (ii) Caterpillars \_\_\_\_\_
- (iii) Scorpions \_\_\_\_\_
- (iv) Pythons \_\_\_\_\_

**\*\*\*\*GOOD LUCK\*\*\*\***